

**Iowa Department of Natural Resources  
Environmental Protection Commission**

**ITEM**

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**DECISION**

**TOPIC:      Solid Waste Alternatives Program – Recommendations**

The Department received 18 proposals, requesting \$1,341,695 in financial assistance, for consideration during the January 2009 round of funding. Seven (7) projects were selected for funding or additional consideration. If approved they will receive \$179,658 in a combination of forgivable loans and zero interest loans.

The review committee consisted of five persons representing the Land Quality Bureau (Tom Anderson, Jim Bodensteiner), Iowa Society of Solid Waste Operations (Scott Smith), Iowa Recycling Association (Jeff Rose), and the Iowa Waste Exchange (Julie Plummer).

The table below summarizes recommendations by applicant and project type and by the type of award.

<b>Recommended By Applicant Type</b>	<b># Awards</b>	<b>Award Amount</b>	<b>Forgivable Loan Portion</b>
Local Government	3	\$65,795	\$65,795
Private For Profit	1	\$56,250	\$20,000
Private Not For Profit	3	\$57,613	\$57,613
<b>Recommended By Project Type</b>	<b># Awards</b>	<b>Award Amount</b>	<b>Forgivable Loan Portion</b>
Best Practices	6	\$159,658	\$123,408
Market Development	0	\$0	\$0
Education	1	\$20,000	\$20,000
<b>Type of Award</b>	<b># Awards</b>	<b>Award Amount</b>	<b>Forgivable Loan Portion</b>
Forgivable loan only	5	\$98,208	\$103,408
Forgivable and 0% loan only	2	\$81,450	\$40,000
0% and 3% interest loan only	0	\$0	\$0
0% interest loan only	0	\$0	\$0
3% interest loan only	0	\$0	\$0

At this time, the Department is requesting Commission approval to enter into contracts with selected applicants whose awards will be in excess of \$25,000 subject to satisfactory review of additional requested information as needed.

A description of each recommended project, the project type, the amount and type of funding assistance is attached followed by a description of other proposals received but not recommended for funding.

Tom Anderson  
Environmental Specialist, Senior  
Environmental Services Division

Attachment

a) Application descriptions

January 23, 2009

**SOLID WASTE ALTERNATIVES PROGRAM**  
**PROPOSAL RECOMMENDATIONS – JANUARY 2009**

The Department received 18 proposals, requesting \$1,341,695 in financial assistance, for consideration during the January 2009 round of funding. Seven (7) projects were selected for funding or additional consideration. If approved they will receive \$179,658 in a combination of forgivable loans and zero interest loans.

The following provides a description of each project, the project type, and the amount and type of funding assistance. The descriptions are organized as projects above \$25,000, those \$25,000 and below, and proposals received but not selected.

**PROPOSAL RECOMMENDATIONS: ABOVE \$25,000**

**BEST PRACTICES PROJECTS:**

<b>David Williams</b>	<b>Forgivable Loan:</b>	<b>\$20,000</b>
<b>Midwest Recovery</b>	<b>Zero Interest Loan:</b>	<b>\$36,250</b>
<b>3300 Henry Street SW</b>	<b>3% Interest Loan</b>	<b><u>\$0</u></b>
<b>Bondurant, IA 50035</b>	<b>Total Award Amount:</b>	<b><u>\$56,250</u></b>

<b>Cash Match:</b>	<b>\$18,750</b>
<b>In-Kind Match:</b>	<b><u>\$99,597</u></b>
<b>Local Match:</b>	<b><u>\$118,347</u></b>

<b>Total Project Cost:</b>	<b>\$174,597</b>
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<b>Project Title:</b>	Community Cleanup
<b>Contact:</b>	David Williams      Phone: 515-957-8000
<b>Project Type:</b>	Best Practices
<b>Applicant:</b>	Private for Profit
<b>Description:</b>	The applicant is requesting funds to purchase a semi tractor and six trailers to expand their provision of affordable and effective appliance and electronics recycling to 30 cities in Adair, Butler, Story, and Linn Counties. To date, Midwest Recovery has served more than 25 Iowa communities and more than 300,000 Iowans.

The project calls for the stationing of semi trailers at strategic areas within the above communities and providing city-wide cleanups of appliances and electronics.

<b>Target Areas:</b>	Adair, Butler, Story, and Linn Counties.
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**Metro Waste Authority**  
**12181 NE 12<sup>th</sup> Avenue**  
**Mitchellville, Iowa 50169**

<b>Forgivable Loan:</b>	<b>\$45,000</b>
<b>Zero Interest Loan:</b>	<b>\$0</b>
<b>3% Interest Loan</b>	<b><u>\$0</u></b>
<b>Total Award Amount:</b>	<b>\$45,000</b>

<b>Cash Match:</b>	<b>\$15,000</b>
<b>In-Kind Match:</b>	<b><u>\$30,000</u></b>
<b>Local Match:</b>	<b>\$45,000</b>
<b>Total Project Cost:</b>	<b>\$90,000</b>

**Project Title:** **Waste-to-Fuels Study**

**Contact:** Becky Wehrman Phone: 515-967-5512 or 515-210-1293

**Project Type:** Best Practices

**Applicant:** Local Government

**Description:** The applicant is applying for a loan to conduct a feasibility study to determine if specifically identified industrial waste streams that are currently being landfilled can be diverted, processed, and used as a pelletized alternative fuel source that will be economically viable and environmentally beneficial.

Project partners include the City of Pella and Iowa State University.

Benefits to be realized from the fuel include diversion of landfill wastes, capture of currently untapped energy resources, minimization of coal usage, minimization of the environmental impacts from coal-burning power plants, and cost savings.

**Target Areas:** Polk County

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**Christian Relief of Supplies and Services**  
1610 North Main  
Osceola, IA 50213

**Forgivable Loan: \$25,200**  
**Zero Interest Loan: \$0**  
**3% Interest Loan: \$0**  
**Total Award Amount: \$25,200**

**Cash Match: \$6,300**  
**In-Kind Match: \$18,900**  
**Local Match: \$25,200**  
**Total Project Cost: \$50,400**

**Project Title:** Textile Recycling  
**Contact:** Mike Sitzman Phone: 641-414-1675 or 641-342-2421  
**Project Type:** Best Practices  
**Applicant:** Private Not For Profit  
**Description:** The applicant is requesting funds to purchase baling and handling equipment that will allow them to expand their recycling of donated textiles to include the recycling of textiles that are not suitable for resale through their thrift store.

This will be an ongoing effort, with initial estimates of baling and selling seven tons of unusable textiles per month. They expect that number to grow as awareness spreads and networks develop.

The baled and recycled textiles will be sold to a Texas firm that grinds the textiles into roofing materials. The revenue generated from the sale of bales will be used to maintain, expand, and update the baling equipment and to expand collection efforts.

**Target Area:** Clark County and seven surrounding counties.

### **PROPOSAL RECOMMENDATIONS: \$25,000 AND BELOW**

#### **BEST PRACTICES PROJECTS:**

**Maharishi University of Management**  
1000 North 4<sup>th</sup> Street  
Fairfield, IA

**Forgivable Loan: \$12,413**  
**Zero Interest Loan: \$0**  
**3% Interest Loan: \$0**  
**Total Award Amount: \$12,413**  
**Cash Match: \$4,137**  
**In-Kind Match: \$11,400**  
**Local Match: \$15,537**  
**Total Project Cost: \$27,950**

**Project Title:** MUM Recycling Collection Program  
**Contact:** Kyle Sieck Phone 563-249-6707

<b>Project Type:</b>	Best Practices
<b>Applicant:</b>	Private Not For Profit
<b>Description:</b>	<p>The applicant is applying for funds to purchase materials needed to construct 100 dolly/bin collection units, five recycling sheds. Project funds will also be used to develop, print, and distribute recycling educational materials across campus.</p> <p>The type of waste targeted is common post-consumer materials, including white office paper, newspaper, glossy paper, plastic bottles 1 and 2, aluminum cans, and clear glass bottles. The amount of waste diverted from the landfill from this project is estimated to be 4.5 tons per week.</p> <p>Maharishi University of Management</p>
<b>Target Area:</b>	

<b>City of Le Mars</b> <b>331 1<sup>st</sup> Street NE</b> <b>Le Mars, IA 51031</b>	<b>Forgivable Loan:</b> \$20,000 <b>Zero Interest Loan:</b> \$0 <b>3% Interest Loan:</b> \$0 <b>Total Award Amount:</b> \$20,000  <b>Cash Match:</b> \$20,000 <b>In-Kind Match:</b> \$0 <b>Local Match:</b> \$20,000  <b>Total Project Cost:</b> \$40,000
<b>Project Title:</b>	<b>Le Mars Recycling Totes Project</b>
<b>Contact:</b>	Bill Cole Phone: 712-546-7018
<b>Project Type:</b>	Best Practices
<b>Applicant:</b>	Local Government
<b>Description:</b>	<p>The City of Le Mars is requesting a \$20,000 loan to purchase 200 35-gallon and 733 95-gallon recycling totes to expand on their current 1,021 container recycling program.</p> <p>Le Mars' current recycling rate is 30,226 pounds per month, which is more than 25 pounds per recycling customer. By providing recycling totes to all city residents, the city believes that it will double the amount of recyclable waste collected, conversely doubling the diversion of waste to the Plymouth County landfill.</p>
<b>Target Area:</b>	City of Le Mars

<b>West Branch Community Schools /</b> <b>Deb Schreiber</b> <b>148 N Oliphant Street</b> <b>West Branch, IA 52358</b>	<b>Forgivable Loan:</b> \$795 <b>Zero Interest Loan:</b> \$0 <b>3% Interest Loan:</b> \$0 <b>Total Award Amount:</b> \$795
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	<b>Cash Match:</b>	<b>\$799</b>
	<b>In-Kind Match:</b>	<b><u>\$0</u></b>
	<b>Local Match:</b>	<b>\$799</b>
	<b>Total Project Cost:</b>	<b>\$1,594</b>

**Project Title:** **Expanded Recycling Program**

**Contact:** Deb Schreiber Phone: 319-643-4157

**Project Type:** Best Practices

**Applicant:** Local Government

**Description:** The applicant is applying for a forgivable loan to purchase recycling containers to expand the school district's current recycling program to include recycling beverage containers at school and community extracurricular activities, such as sporting or fine arts events.

The project is to be developed in two phases, with phase one expanding school recycling beyond its current program of recycling in classrooms, offices, and cafeteria areas.

Phase two will open the use of the containers to West Branch community groups.

**Target Area:** West Branch School and Community Groups

#### **EDUCATION PROJECTS:**

<b>Iowa Recycling Association</b>	<b>Forgivable Loan:</b>	<b>\$20,000</b>
<b>PO Box 10954</b>	<b>Zero Interest Loan:</b>	<b>\$0</b>
<b>Cedar Rapids, IA 52410-0954</b>	<b>3% Interest Loan</b>	<b><u>\$0</u></b>
	<b>Total Award Amount:</b>	<b>\$20,000</b>

  

	<b>Cash Match:</b>	<b>\$6,820</b>
	<b>In-Kind Match:</b>	<b><u>\$13,838</u></b>
	<b>Local Match:</b>	<b>\$20,658</b>
	<b>Total Project Cost:</b>	<b>\$40,658</b>

**Project Title:** Iowa Green Meetings/Conferences Best Practices Manual

**Contact:** Teresa Kurtz Phone: 515-265-1596

**Project Type:** Education

**Applicant:** Private Not For Profit

**Description:** The applicant is applying for funds to promote green meetings, conferences, and workshops through their development of the *IRA Green Meetings Best Practices Manual*.

The manual will be used as a tool to assist meeting planners, service providers, and venues interested in applying green concepts to their next meeting event as a way to divert paper, cardboard, plastic, metal, and food waste generated during the meeting, conference, etc.

**Target Area:** State of Iowa

**PROPOSALS RECEIVED, NOT RECOMMENDED**

**Jeff Turkle**  
**3601 135<sup>th</sup> Street**  
**Stockton, IA 52769**

**Total Amount Requested: \$20,000**

**Project Title: Urban Tree Recycling Project**

**Contact:** Jeff Turkle

**Phone:** 563-579-4811

**Project Type:** Market Development

**Applicant:** Private For Profit

**Description:**

The applicant requested a loan to purchase an 8" Lucas Model 830 portable sawmill, additional attachments, and equipment to assist with the recycling of urban trees to dimensional lumber and to develop a demand for those value-added recyclables.

**Phoenix C & D Recycling, Inc.**  
**4764 NE 22<sup>nd</sup>**  
**Des Moines, IA 50313**

**Total Amount Requested: \$209,220**

**Project Title: Trash to Fuel**

**Contact:** Chris Reynolds

**Phone:** 515-205-1296

**Project Type:** Market Development

**Applicant:** Private For Profit

**Description:**

The applicant applied for loans to develop a process that will divert construction and demolition waste streams from the landfill by converting portions of those waste streams to alternative boiler fuels.

**Sustainable Green Technologies, LLC**  
**231 Cottonwood Road**  
**Ames, IA 50014**

**Total Amount Requested: \$300,000**

**Project Title: Sustainable Green Recycling: Establishing an Asphalt Shingle Recycling Facility Using Best Practices**

**Contact:** Christopher Williams

**Phone:** 515-520-7600

**Project Type:** Best Practices

**Applicant:** Private For Profit

**Description:**

The applicant applied for \$300,000 in loans to establish a facility for recycling post consumer asphalt shingles by grinding them and selling them to asphalt paving contractors for use in hot mix asphalt for pavements.

**Des Moines Public Library**  
**1000 Grand Avenue**  
**Des Moines, IA 50309**

**Total Amount Requested: \$17,950**

**Project Title: Learn 2 B GREEN, Read 2 B GREEN, Manage 2 B GREEN**

**Contact:** Bruce Greiner

**Phone:** 515-283-4290

**Project Type:** Education

**Applicant:** Local Government

**Description:**

DMPL applied for a loan to present a series of programs to educate businesses, local and state governments, and the general population concerning opportunities to avoid waste generation and to live more in sync with our environment.



<b>Metro Waste Authority</b> <b>300 East Locust Street</b> <b>Des Moines, IA 50309</b>		<b>Total Amount Requested:</b>	<b>\$159,000</b>
<b>Project Title:</b>	<b>Develop Opportunities to Provide sources and Markets for Landfill Diversion of Construction and Demolition Waste</b>		
<b>Contact:</b>	Tom Hadden	<b>Phone:</b>	515-323-6535
<b>Project Type:</b>	Best Practices, Education, Market Development		
<b>Applicant:</b>	Local Government		
<b>Description:</b>	MWA is requested loans to develop methodologies that will lead to the diversion of construction and demolition (C & D) waste streams from the landfill by identifying C & D sources and markets for contractors and by helping contractors achieve U.S. Green Building Council Leadership in Energy and Environmental Design project status. Proposed methodologies include construction management assistance; deconstruction assistance; biomass-to-energy opportunities; and asphalt shingle recycling.		

<b>Advanced Asphalt Sys, Inc.</b> <b>911 SE 14<sup>th</sup> Street Court</b>		<b>Total Amount Requested:</b>	<b>\$39,565</b>
<b>Project Title:</b>	<b>Pavement Sweepings Beneficial Use Project</b>		
<b>Contact:</b>	William Wilcox	<b>Phone:</b>	515-707-8206
<b>Project Type:</b>	Market Development		
<b>Applicant:</b>	Private For Profit		
<b>Description:</b>	The applicant applied for loans to purchase a dump truck, skid/steer loader, trailer, and screening equipment for recovering, storing, testing, and marketing pavement sweepings for their return to the construction supply chain as a safe and affordable material.		

<b>Jeff Stiles and Lorri Holz</b> <b>1079 Elm Street</b> <b>Dubuque, IA 52001</b>		<b>Total Amount Requested:</b>	<b>\$50,250</b>
<b>Project Title:</b>	<b>Dubuque ReStore</b>		
<b>Contact:</b>	Jeff Stiles	<b>Phone:</b>	563-585-2933
<b>Project Type:</b>	Best Practices, Market Development		
<b>Applicant:</b>	Private Not For Profit		
<b>Description:</b>	The applicants applied for loans to start up a ReStore in Dubuque that will accept donations of building materials, tools, etc. and offer them to the public for affordable prices.		

<b>New Tec, Inc.</b> <b>1008 Locust Street</b> <b>Hull, IA 51239</b>		<b>Total Amount Requested:</b>	<b>\$45,819</b>
<b>Project Title:</b>	<b>Fork Lift Battery Rebuilding and Recycling</b>		
<b>Contact:</b>	Evan Byl	<b>Phone:</b>	712-439-0505
<b>Project Type:</b>	Best Practices		
<b>Applicant:</b>	Private For Profit		
<b>Description:</b>	The applicant applied for loans to purchase the equipment necessary to rebuild scrap forklift batteries that come from forklifts the company rebuilds and from customers purchasing new batteries.		

<b>Lakes Community Land Trust, Inc.</b>		<b>Total Amount Requested:</b>	<b>\$270,875</b>
<b>1801 Hill Avenue</b>			
<b>Spirit Lake, IA 51360</b>			
<b>Project Title:</b>	<b>Building Material Re-use Store</b>		
<b>Contact:</b>	James Golden	<b>Phone:</b>	712-336-1068
<b>Project Type:</b>	Market Development		
<b>Applicant:</b>	Private Not For Profit		
<b>Description:</b>	The applicant applied for loans to start up a Building Materials Re-Use Store in Dickinson County that will accept donations of building materials, tools, etc. and offer them to the public at affordable prices.		

<b>enrgPATH</b>		<b>Total Amount Requested:</b>	<b>\$20,000</b>
<b>2643 Beaver Drive #118</b>			
<b>Des Moines, IA 50310</b>			
<b>Project Title:</b>	<b>Resource Directory with an Emphasis on Waste Management</b>		
<b>Contact:</b>	Angela Clark	<b>Phone:</b>	515-205-5494
<b>Project Type:</b>	Education		
<b>Applicant:</b>	Private For Profit		
<b>Description:</b>	The applicants applied for loan to develop a Web-based resource directory, or "green" yellow pages, that will provide resource listings and educational information related specifically to waste management and waste reduction practices for businesses and organizations in the health and sustainability industries.		

<b>Conservation Services Group, Inc.</b>		<b>Total Amount Requested:</b>	<b>\$10,250</b>
<b>712 58<sup>th</sup> Avenue Court SW</b>			
<b>Cedar Rapids, IA 52404</b>			
<b>Project Title:</b>	<b>None given</b>		
<b>Contact:</b>	Calvin Ehlts	<b>Phone:</b>	319-369-0463
<b>Project Type:</b>	Best Practices		
<b>Applicant:</b>	Private For Profit		
<b>Description:</b>	The applicant applied for loan to fund the purchase of a new forklift to continue to provide affordable, compliant recycling options.		